

**OWNER'S MANUAL SUPPLEMENT**  
**2001 700 RMK 144"**  
**PN 9916052**



**POLARIS®**  
**SALES INC.**

**IMPORTANT:** This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

**CAUTION**

When operating on icy or hard-packed trails, extra care should be given to avoid overheating the slide rail and track. The lack of lubrication and cooling will cause overheating of the slide rail and track, resulting in premature wear and failure. If frequently operating in low cooling conditions, see your dealer for an optional wheel kit to reduce the wear from overheating the slide rail.

<b>Capacities and Dimensions</b>	
Body Style	Gen 2
Rider Capacity	1
Coolant Capacity (qts)	5.5
Chaincase Oil Capacity (oz.)	9
DryWeight (Est.)	493 est
Fuel Tank capacity (Gallons)	12
Height (in.)	45
Length (in.)	119.75
Oil Capacity (Quarts)	3
Ski Center Distance (in.)	38.2/39.5
Width (in.)	44.25
Brake Type	Hydraulic
Drive Clutch Center Distance	12.5
Clutch Type	P-85
Track Length	144
Track Width	15
Drive Chain Length	68
Reverse Transmission	Optional
Sprocket Ratio	19:40
<b>Suspension</b>	
Front Type	38 Inch XC-10 CRC
IFS Shock Type	Nit Cell
Rear Type	Xtra-Lite 144
Front Torque Arm Limiter	STD
Rear Torque Arm Limiter	N/A
Front Track Shock	Nit Cell
Rear Track Shock	Sel

<b>Engine and Cooling</b>	
Engine Model Number	S7070POB2 1992
Alternator Output	280 watt
Bore x Stroke (mm)	81 X 68
Displacement	700
Carburetor/Throttle Body	1 Mikuni
Carburetor Model	TM40 w/tps
Main Jet	340 MAG 320 PTO
Pilot Jet	45
Jet Needle	8DGYI-57-2
Needle Jet	P-8 (825)
Cutaway	2
Idle Mixture	2.5 turns
Idle RPM +/-200	1500
Cooling	Liquid
Cylinders	2
Ignition Timing	20° @ 3000
Ignition Type	Digital TPS
Oil Injection	Polaris Blue
Spark Plug	Champion RN 57YCC
<b>Features</b>	
Electric Fuel Gauge	Optional
Electric Start	Optional
Low Oil Light	Standard
Parking Brake	Standard
Speedometer	Standard 5 Inch
Tachometer	std
Wear Strips	N/A
Hood Color	Black Metallic

## Carburetor Jetting

## Clutching Chart

	AMBIENT TEMPERA-TURE	Below -20°F Below -29°C	-20°F to +10° -29°C to -12°C	+10°F - +40°F -12°C - +5°C	Above +40°F Above +5°C		Altitude Meters (Feet)	Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Driven Helix	Chain-case Geari-ang
Altitude Meters (Feet)	0-900 (0-3000)	490/470 #4	460/440 #4	430/410 #4	400/380 #4		0-900 (0-3000)	10-60 Bushed	Almond Round	Silver/Blue#2	R-11	19/40 68 Pitch
	900-1800 (3000-6000)	440/420 #3	420/400 #3	390/370 #3	370/350 #2		900-1800 (3000-6000)	10-58 Bushed	Almond Round	Silver/Blue#2	R-11	19/40 68 Pitch
	1800-2700 (6000-9000)	390/370 #3	370/350 #3	340/320 #2	320/300 #2		1800-2700 (6000-9000)	10-56 Bushed	Almond Round	Silver/Blue#2	R-11	19/40 68 Pitch
	2700-3700 (9000-12000)	360/340 #2	340/320 #2	320/300 #2	300/280 #1		2700-3700 (9000-12000)	10-54 Bushed	Almond Round	Silver/Blue#3	R-11	19/40 68 Pitch

### - Production Setting

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